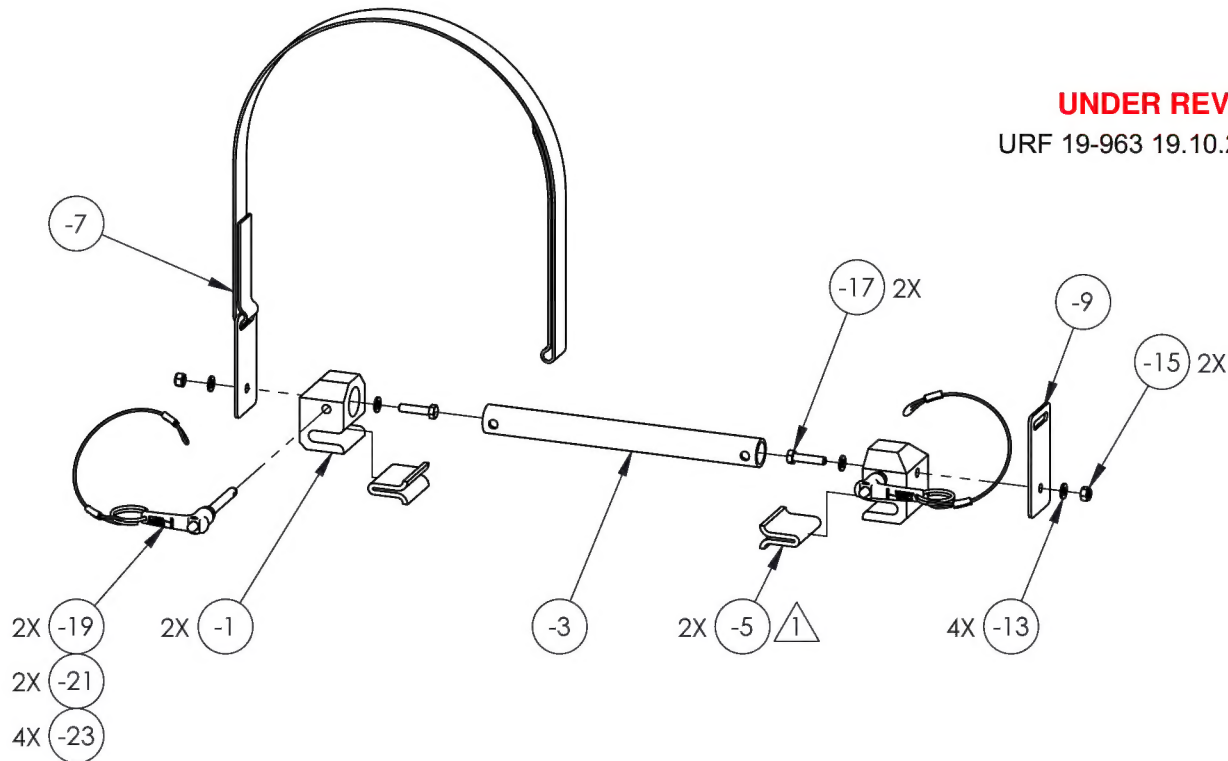


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION	1/4/2016	DPD	JAG

UNDER REVIEW
URF 19-963 19.10.24 (VM)



IN CASE
SCALE: 1:8

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	2	JAW	6061		2
			-3	1	CONNECTING PIPE	STEEL TUBE		3
			-5	2	PAD	NEOPRENE	1/8 THICK, ADHESIVE-BACK (MCMaster-CARR #8461K14) MODIFIED	4
	X		-7	1	STRAP ASSEMBLY			5
	1		-9	1	LIFT PLATE	1018/1020 CR		6
	1	B/O	-11		STRAP	GREEN NYLON	(EUGENE EQUIPMENT)	5
		B/O	-13	4	WASHER	STEEL	M5 (MCMaster-CARR #91166A240)	1
		B/O	-15	2	LOCK NUT	STEEL	M5 X 0.8 (MCMaster-CARR #90576A104)	1
		B/O	-17	2	HEX HEAD CAP SCREW	STEEL	M5 X 0.8 X 22mm (MCMaster-CARR #91280A232)	1
		B/O	-19	2	BALL LOCK PIN	STEEL	Ø6mm X 40mm (CARR-LANE #CLM-6-BLPL-40)	1
		B/O	-21	2	LANYARD	COATED STEEL	Ø1/16 X 14 (CARR LANE #CL2C)	1
		B/O	-23	4	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMaster-CARR #3896T31)	1
		B/O	-25	1	BOTTOM FOAM	Y20, BLACK	3.95 X 9.08 X 11.98 (I.R. SPECIALTY)	7
		B/O	-27	1	TOP TOOL CUSHION	Y20, BLACK	1.20 X 9.08 X 11.98 (I.R. SPECIALTY)	8
			-29	1	CONTENTS PLACARD	PLASTIC		9
		B/O	-31	1	CASE	PLASTIC	PELICAN #APP-1400-E	N/S
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
	ASSY -7							

NOTE:
REFERENCE AIRBUS T/N M323V3000101.

△ BOND TO -1.

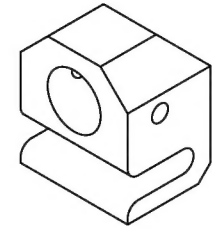
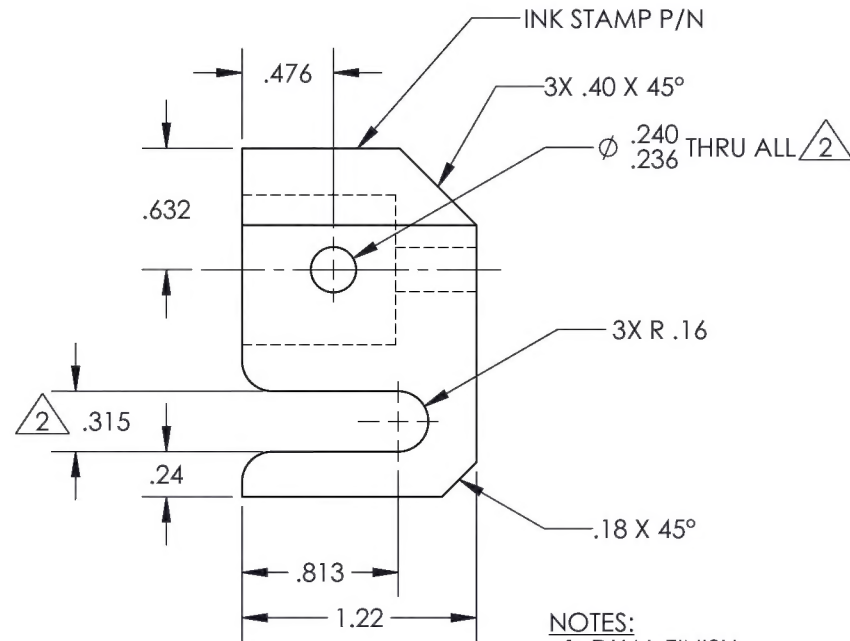
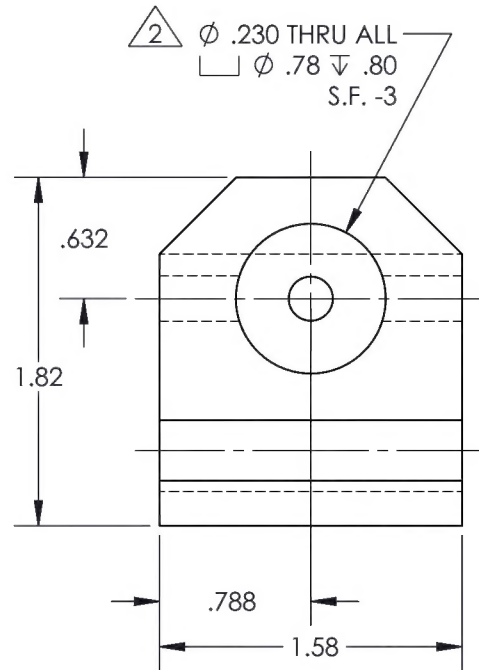
		TITLE	
		NLG S/A HOLDING TOOL	
DWG NO.		RBEM323V3000101	
REV		1	
MAT'L		STEEL	
TREAT			
FINISH			
SPEC			
DRAWN BY:		DUERFELDT	
CHECKED:		MACKOVJAK	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE		1:5	
DATE		12/3/2015	
SHEET		1 OF 9	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125°
1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

USED ON MODEL
H175

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



- NOTES:
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC 2
2ND: POWDER COAT YELLOW, FED # 13538
 - NO PAINT THIS SURFACE.

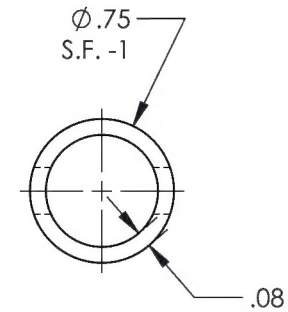
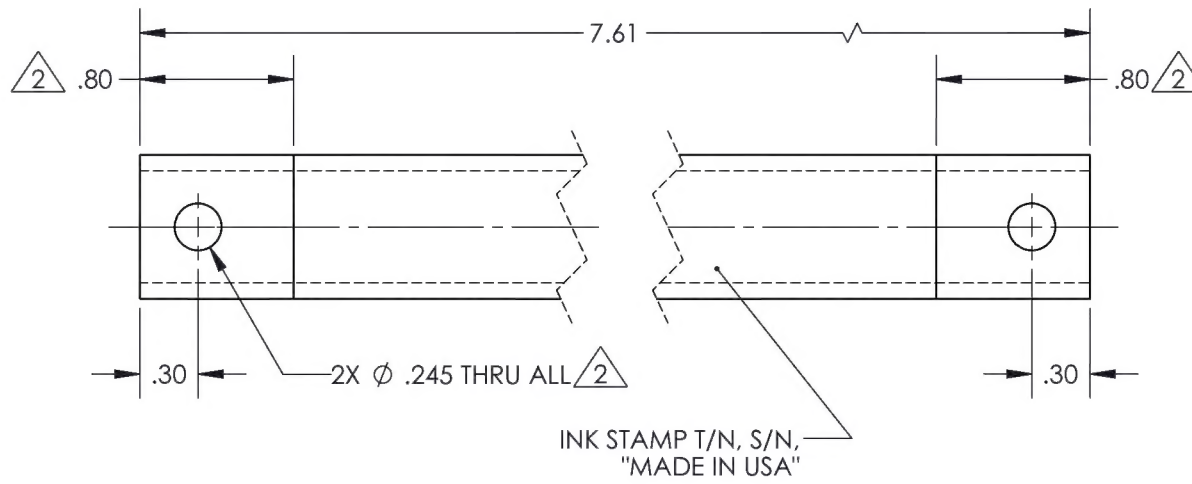
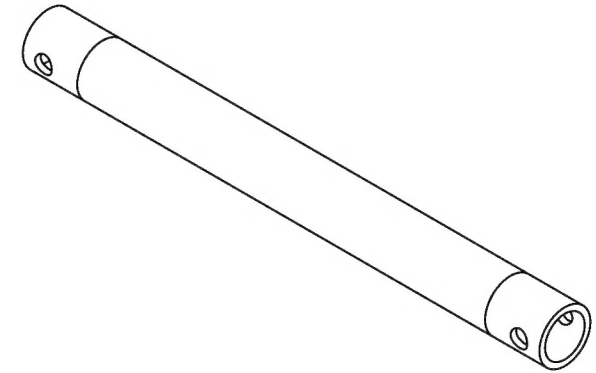
UNDER REVIEW
URF 19-963 19.10.24 (VM)

(1)
JAW

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-1	REV 1
MAT'L 6061 HEAT TREAT FINISH SEE NOTE 1 SPEC	
DRAWN BY: DUERFELDT CHECKED: MACKOVJAK OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125 ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL H175	
SCALE 1:1	DATE 12/3/2015
SHEET 2 OF 9	

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REVISIONS			
REV	ECR	DESCRIPTION	DATE



- NOTES:
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC 2.
2ND: POWDER COAT YELLOW, FED # 13538.
 - NO PAINT THIS SURFACE.

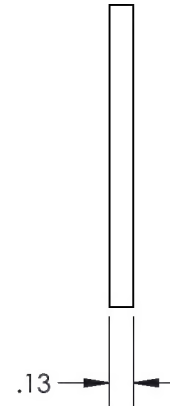
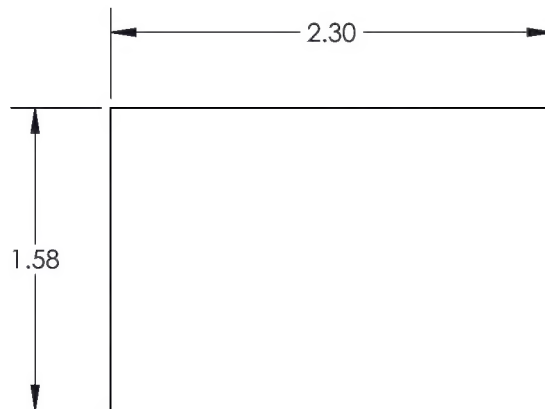
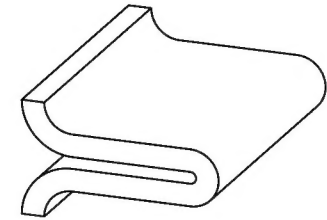
UNDER REVIEW
URF 19-963 19.10.24 (VM)

(-3)
CONNECTING PIPE

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-3	REV 1
MAT'L STEEL TUBE HEAT TREAT FINISH SEE NOTE 1 SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT CHECKED: MACKOVJAK OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL H175	
SCALE 1:1	DATE 12/3/2015
SHEET 3 OF 9	

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				APPROVED



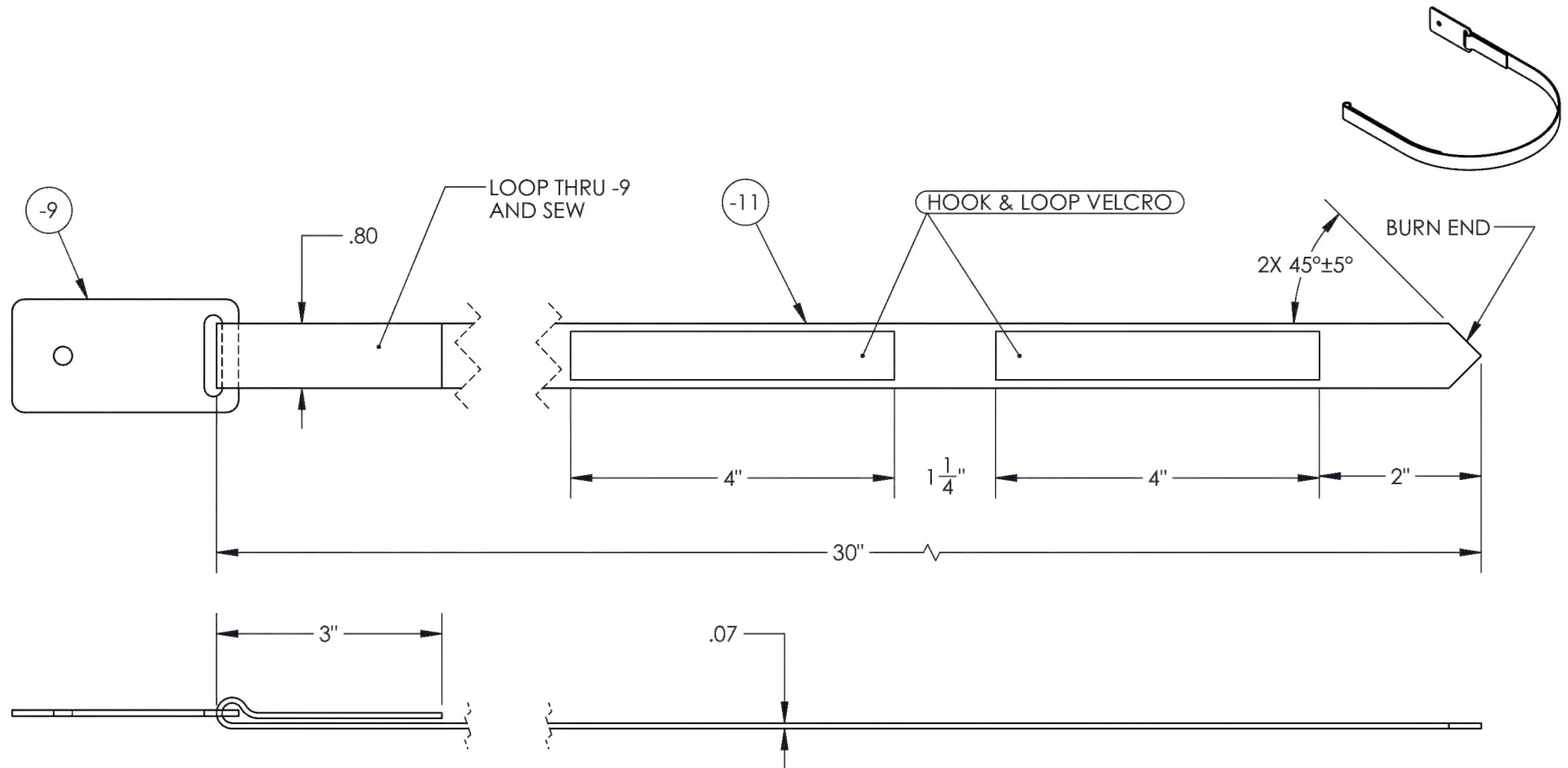
UNDER REVIEW
URF 19-963 19.10.24 (VM)

⑤
PAD

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-5	REV 1
MAT'L NEOPRENE	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 12/3/2015
	SHEET 4 OF 9

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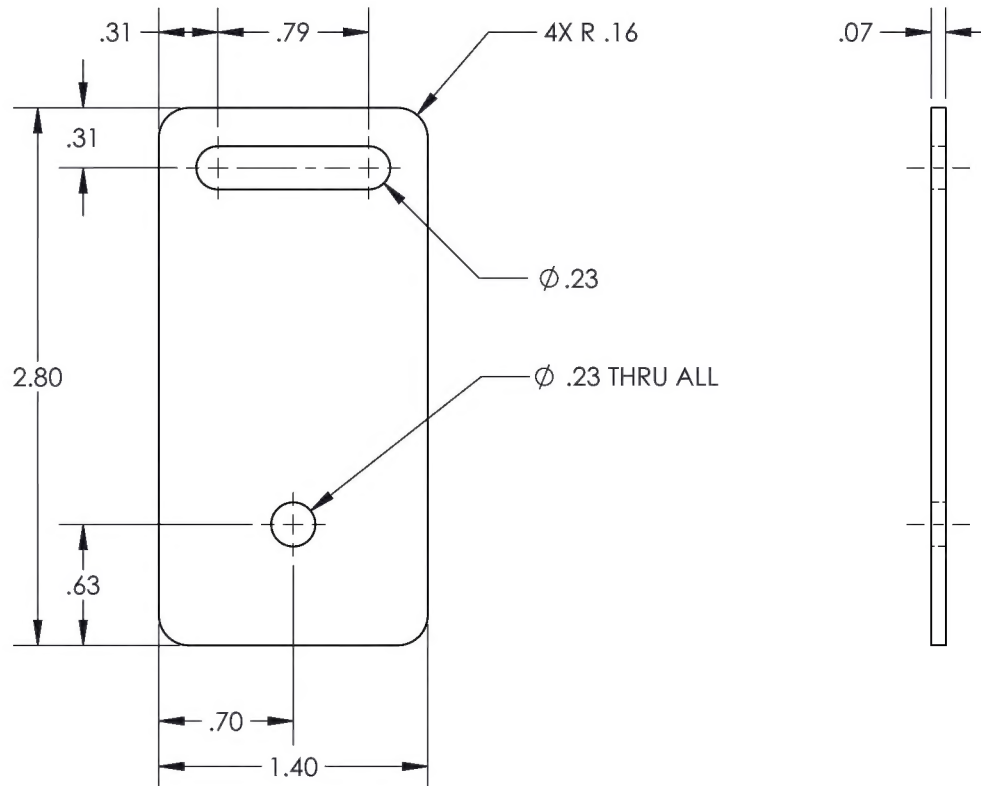
UNDER REVIEW
URF 19-963 19.10.24 (VM)

(-7)
STRAP ASSEMBLY

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-7	REV 1
MAT'L HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:2	DATE 12/3/2015
SHEET 5 OF 9	

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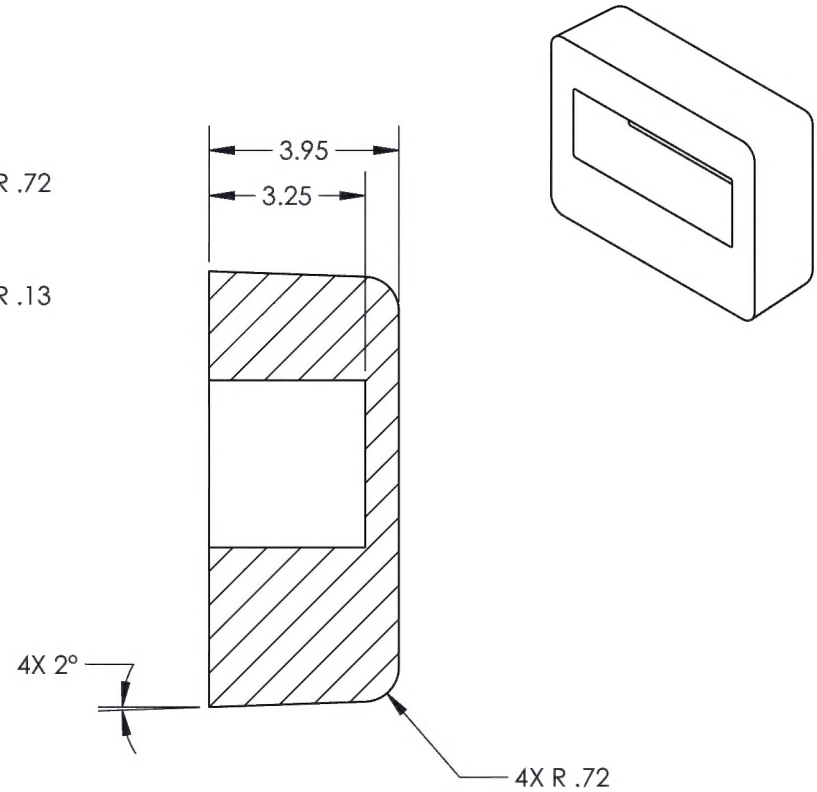
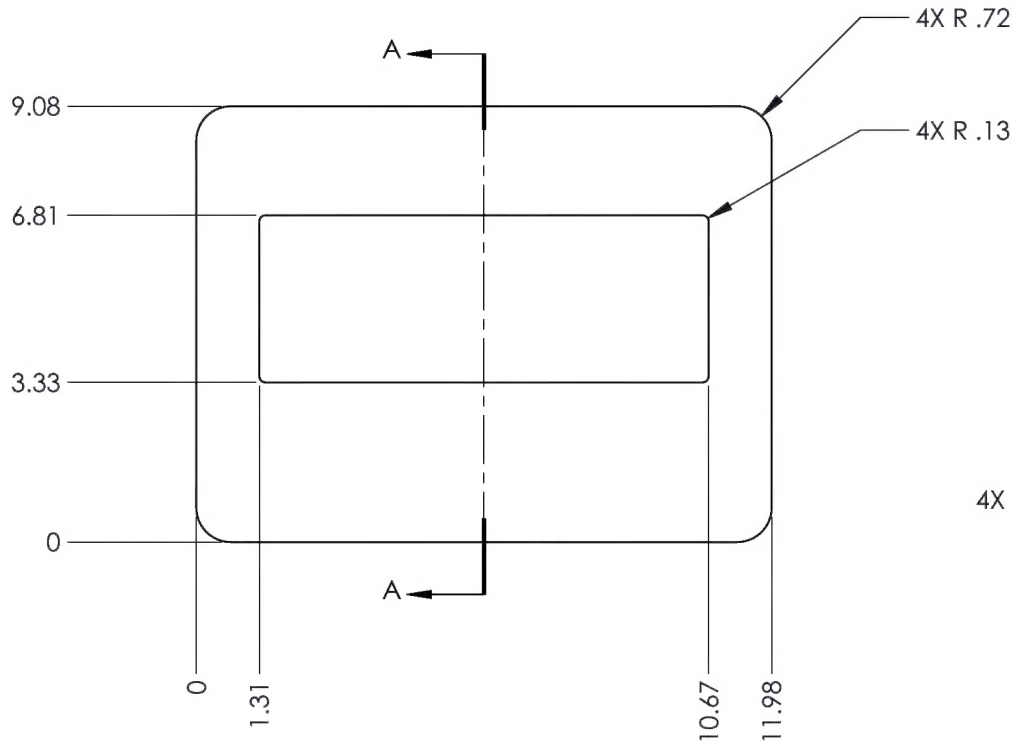
(-9)

LIFT PLATE

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-9	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH POWDER COAT YELLOW	.XXX ± .005 FRACTIONS ± 1/8
SPEC FED #13538	.XX ± .01 ANGLES ± .5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125✓
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 12/3/2015
	SHEET 6 OF 9

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				APPROVED



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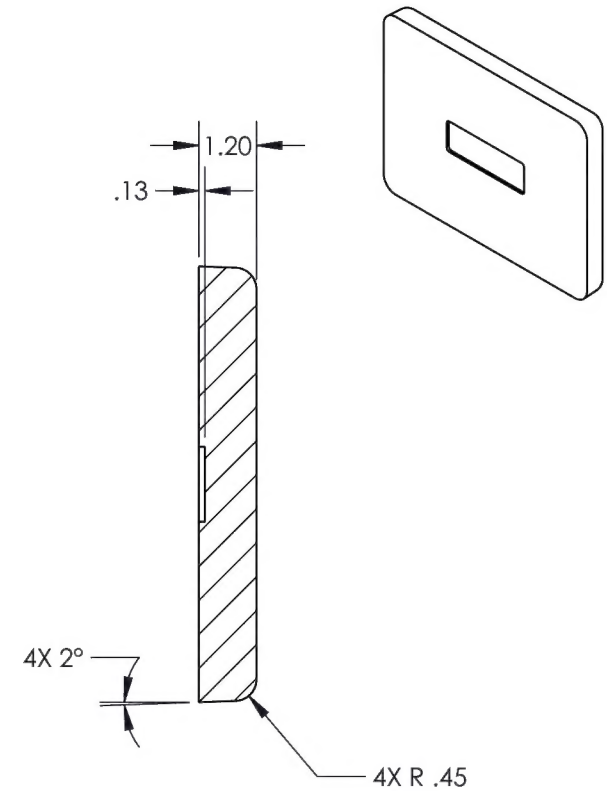
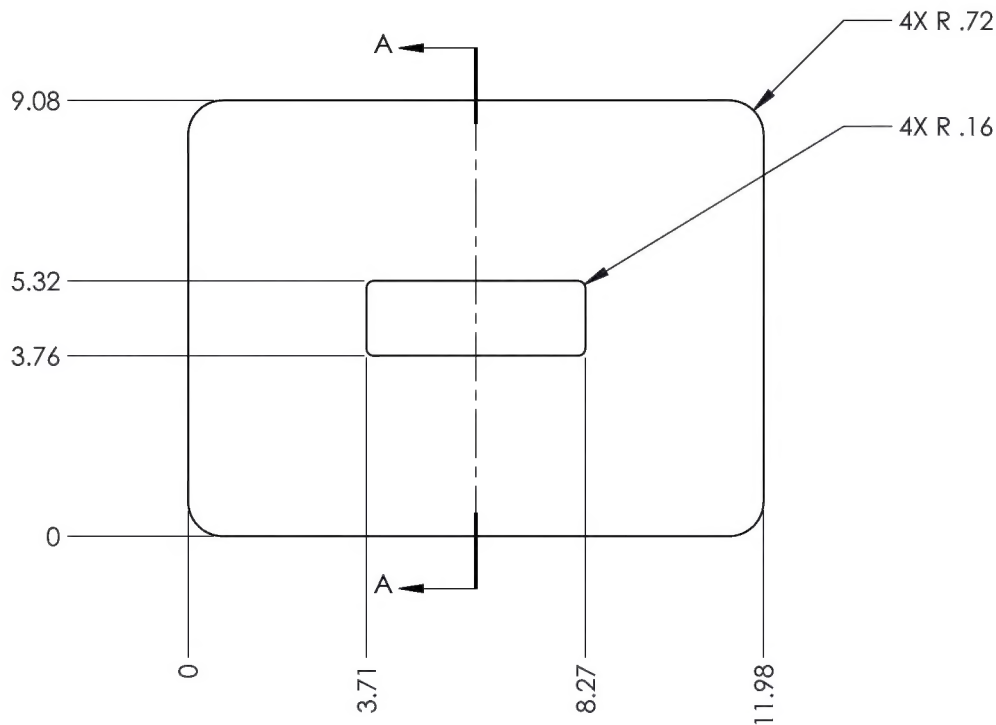
(-25)

BOTTOM FOAM

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-25	REV 1
MAT'L Y20, BLACK	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:4	DATE 12/3/2015
	SHEET 7 OF 9

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			INITIAL
			APPROVED



SECTION A-A

UNDER REVIEW
URF 19-963 19.10.24 (VM)

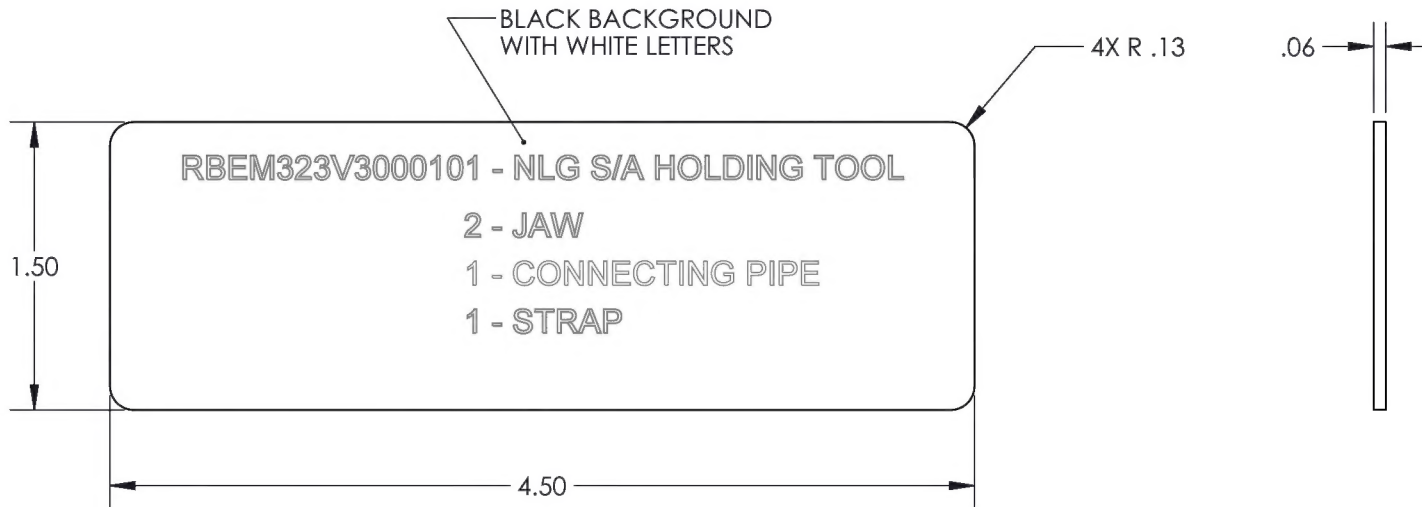
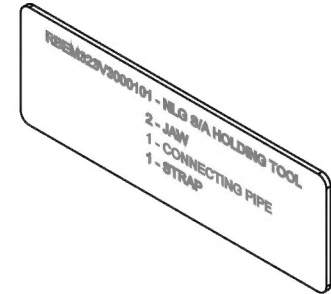
(-27)

TOP TOOL CUSHION

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-27	REV 1
MAT'L Y20, BLACK	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: J Gilbert	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:4	DATE 12/3/2015
	SHEET 8 OF 9

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			APPROVED



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(-29)

CONTENTS PLACARD

DART AEROSPACE	
TITLE NLG S/A HOLDING TOOL	
DWG NO. RBEM323V3000101-29	REV 1
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE	USED ON MODEL
1:1	H175
DATE	SHEET 9 OF 9
12/3/2015	